Yashwantrao Chavan Maharashtra Open University
Dnyangangotri Near Gangapur Dam, Nashik, Pin Code-422222, Maharashtra(India)

Programme Structure Scheme

For

Post Graduate,
2 Year(s) Master Degree Program in

School of Science & Technology

Master of Science (Mathematics)(V57 - M.Sc. (Mathematics))
(Credits System)

(2015 Pattern-Regular)
Programme Code: V57

Publisher's Note

This Yashwantrao Chavan Maharashtra Open University has great Pleasure in publishing this programme structure for Post Graduate programme for 2 Year(s) Master Degree Program as "Master of Science (Mathematics)" (2015 Pattern - Regular) under the School of "School of Science & Technology".

On behalf of the University, I thank experts and authorities of the University for the interest taken and the whole hearted co-operation extended by them in bringing out this publication.

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Yashwantrao Chavan Maharashtra Open
University,Dnyangangotri Near Gangapur Dam,
Nashik, Pin Code-422222, Maharashtra(India) Registrar

Programme Objective(s)

1. The curriculum of thisScience discipline programme aims to produce "Science Expert", who can thick logically and creatively about the real problems encountered in a society and industry, by applying basic concepts, priniples and scientific approach creatively and effectively to satisfy the required defined needs.

The Master of Science (Mathematics) Consists of following 2 programme part(s):

Sr.No.	Programme Part Name	Programme Part Abbrevation	Examination Pattern
1	Master of Science (Mathematics) Year 1	Year 1	Semester
2	Master of Science (Mathematics) Year 2	Year 2	Semester

The Master of Science (Mathematics) is available in following medium of instruction/s:

1. English

Programme Part: Year 1 Separate Passing Head: No, Min: 0, Max: 1000, Total Credits: 40.00

Term: Semester 1 Separate Passing Head: No, Min Courses: 5, Max Courses: 5, Min:0,Max:500, Total Credits: 20.00

The courses for Year 1 - Semester 1 are classified into following groups:

1.Compulsory Group (Min Courses: 5, Max Courses: 5, Separate Passing Head: No, Max. Marks: 500)
Select minimum 5 course(s)
Select maximum 5 course(s)
Courses:

S24011	Algebra - I
S24012	Advanced Calculus
S24013	Real Analysis
S24014	Differential Equations
S24015	Classical Mechanics

Term: Semester 2 Separate Passing Head: No, Min Courses: 5, Max Courses: 5, Min:0,Max:500, Total Credits: 20.00

The courses for Year 1 - Semester 2 are classified into following groups:

1.Compulsory Group (Min Courses: 5, Max Courses: 5, Separate Passing Head: No, Max. Marks: 500)
Select minimum 5 course(s)
Select maximum 5 course(s)
Courses:

S24021	Linear Algebra
S24022	General Topology
S24023	Complex Analysis
S24024	Numerical Analysis
S24025	Differential Geometry

Programme Part: Year 2 Separate Passing Head: No, Min: 0, Max: 10, Total Credits: 40.00

Term: Semester 3 Separate Passing Head: No, Min Courses: 5, Max Courses: 5, Min:0,Max:500, Total Credits: 20.00

The courses for Year 2 - Semester 3 are classified into following groups:

1.Compulsory Group (Min Courses: 5, Max Courses: 5, Separate Passing Head: No, Max. Marks: 500)
Select minimum 5 course(s)
Select maximum 5 course(s)
Courses:

S24031	Functional Analysis
S24032	Advanced Discrete Mathematics
S24033	Number Theory
S24034	Integral Equations
S24035	Operation Research -I

Term: Semester 4 Separate Passing Head: No, Min Courses: 5, Max Courses: 5, Min:0,Max:500, Total Credits: 20.00

The courses for Year 2 - Semester 4 are classified into following groups:

1.Compulsory Group (Min Courses: 5, Max Courses: 5, Separate Passing Head: No, Max. Marks: 500)
Select minimum 5 course(s)
Select maximum 5 course(s)
Courses:

S24041	Measure and Integration
S24042	Partial Differential Equations
S24043	Riemannian Geometry -I

S24044	Riemannian Geometry - II
S24045	Operation Research -II